Listing / Amendments to the Claims Including Status Indicators

1. (Currently Amended) A method for deploying a fiber optic communication network comprising:

    storing an attribute of an optical communication component in a computer catalog database entry;

    associating said catalog database entry with a design profile;

    selecting said database entry from said design profile;

    reading said attribute from said database entry;

    associating said attribute with a planned deployment of a physical instance of said component; and

    forming a visible image representing said planned deployment, said visible image including a separately identified detail drawing.

2. (Canceled)

3. (Previously presented) A method as defined in claim 1, further comprising recording said association of said attribute with said planned deployment in a computer memory.

4. (Original) A method as defined in the claim 1, further comprising physically deploying said physical instance of said component.

2

5. (Original) A method as defined in claim 1 further comprising identifying a geographic location for said planned deployment .

6. (Original) A method as defined in claim 5 further comprising providing a graphical representation of said geographic location and said physical instance .

7. (Original) A method as defined in claim 5 wherein said optical communication component comprises a component selected from the group of an optical cable, an optical cable connector, a splitter, an optical amplifier, an optical repeater, an optical transmitter, an optical splice enclosure, a patch panel, and a splice tray.

8. (Original) A method as defined in claim 1 wherein said optical communication component comprises an optical cable, said optical cable comprising a cable selected from the group of ribbon cable, loose tube buffer cable , central tube cable, odd count fiber cable, single mode fiber cable , multimode fiber cable , and cable including a plurality of fiber types .

9. (Previously presented) A method as defined in claim 8 wherein said optical cable includes a plurality of optical fibers.

10.   (Original) A method as defined in claim 1 wherein said planned deployment includes identification of said instance with an owner.

11.   (Original) A method as defined in claim 1 wherein said planned deployment includes identification of said instance with a communication circuit.

12.   (Previously presented) A method as defined in claim 1 wherein said planned deployment includes deploying a plurality of optical communication components.

13.   (Currently amended) A system for planning a network comprising:

a first computer including a first memory storage device having application software encoded therein;

a second computer, operatively connected to said first computer, having a second memory storage device adapted to record first project data;

a third computer, operatively connected to said second computer, having a third memory storage device adapted to record second project data, said first and second project data being substantially instantaneously identical;

said software including a catalog portion, a design profile portion, and a calculations portion;

said catalog portion being adapted to receive data defining a plurality of

communication network components;

said design profile portion adapted to receive data defining a plurality of design

rules related to logical design of a network;

said first data including a logical model of a communications network;

said calculations portion being adapted to calculate power and signal relationships within

said communications network; and

said software including a detail ~~notes~~ <u>drawing</u> portion adapted to record a <u>separately</u>

<u>identified</u> detailed layout of a network within a multiple dwelling unit.

14.   (Original) A system as defined in claim 13, wherein said communications network

comprises an optical fiber portion.

15.   (Original) A system as defined in claim 14, wherein said optical fiber portion

comprises an optical cable having a buffer with first and second optical fibers;

said optical fibers having different nominal characteristics.

16.   (Original) A system as defined in claim 13, wherein said communications network

comprises a wireless communication portion.

17-18.   (Canceled)

19.   (Currently amended) A system for planning a network comprising:

a computer including a memory storage device having application software encoded

therein;

said software including a catalog portion, a design profile portion, a project storage

portion, and a calculations portion;

said catalog portion adapted to receive data defining a plurality of communication

network components;

said design profile portion adapted to receive data defining a plurality of design

rules related to logical design of a network;

said project storage portion adapted to receive data including a logical model of a

communications network;

said calculations portion adapted to calculate power and signal relationships within

said communications network;

said communications network including an optical fiber portion; and

one of said communication network components including an optical cable having a

buffer with first and second optical fibers, said optical fibers having different nominal

characteristics wherein ~~at least one of~~ said first and second fibers ~~includes a~~ include

respective fiber ~~segment~~ segments identified to ~~a particular owner~~ respective owners.

20.   (Canceled)

21.   (Currently amended) A method of deploying a communications network comprising:

provides first and second computers including first and second memory storage

devices respectively, each having application software encoded therewithin;

operatively connecting said first and second computers through a communications

link;

including a logical model of a communications network within said first storage

device, said model including first and second logical communication cables, said model

depicting operative connection of said first and second cables;

receiving said logical model through said link into said second computer memory

device;

representing said logical model graphically;

operatively connecting said first and a second physical communication cables

according to said model;

modifying said graphically represented logical model using markup lines; and

transmitting said modified logical model to said first computer and subsequently

receiving authorization at said second computer for said operatively connecting said first

and second physical communication cables.

22. (Original) A method as defined in claim 21 further comprising the step of

transmitting a notice of completion of said operative connection of physical cables through

said link into said first computer.

23. (Cancelled)

24. (Original) A method as defined in claim 21, wherein said method further comprises:

characterizing the signal strength of a radio frequency signal as a function of geographic

location; and

    using said characterization to locate a radio frequency antenna.

25. – 30. (Canceled)

31. (Currently amended) A method for deploying a fiber optic communication network <u>as</u>

defined in claim 1, wherein said optical communication component comprises an optical

switch.

32. (Currently amended) A method for deploying a fiber optic communication network <u>as</u>

defined in claim 1, wherein said optical communication component comprises a tapered

fiber segment.

33. (Currently amended) A method for deploying a fiber optic communication network <u>as</u> defined in claim 1, wherein said optical communication component comprises an a fiber reel having an uneven buffer count.

34. (Currently amended) A method for deploying a fiber optic communication network <u>as</u> defined in claim 1, wherein said optical communication component comprises a fiber reel including 36 buffers.

35. (Currently amended) A method for deploying a fiber optic communication network <u>as</u> defined in claim 1, wherein said optical communication component comprises a fiber ribbon having 72 fibers per buffer.